# VB.NET - CHARACTER CLASSES

A character class matches any one of a set of characters. The following table describes the character classes:

| Character class | Description | Pattern | Matches |
|---|---|---|---|
| **[character_group]** | Matches any single character in character_group. By default, the match is case-sensitive. | [mn] | "m" in "mat" "m", "n" in "moon" |
| **[^character_group]** | Negation: Matches any single character that is not in character_group. By default, characters incharacter_group are case-sensitive. | [^aei] | "v", "l" in "avail" |
| **[ first - last ]** | Character range: Matches any single character in the range from first to last. | $\w$ + \t | "Name\t", "Addr\t" in "Name\tAddr\t" |
| **.** | Wildcard: Matches any single character except \n. | a.e | "ave" in "have" "ate" in "mate" |
| **\p{ name }** | Matches any single character in the Unicode general category or named block specified by *name*. | \p{Lu} | "C", "L" in "City Lights" |
| **\P{ name }** | Matches any single character that is not in the Unicode general category or named block specified by *name*. | \P{Lu} | "i", "t", "y" in "City" |
| **\w** | Matches any word character. | \w | "R", "o", "m" and "1" in "Room#1" |
| **\W** | Matches any non-word character. | \W | "#" in "Room#1" |
| **\s** | Matches any white-space character. | \w\s | "D " in "ID A1.3" |
| **\S** | Matches any non-white-space character. | \s\S | " _" in "int __ctr" |
| **\d** | Matches any decimal digit. | \d | "4" in "4 = IV" |
| **\D** | Matches any character other than a decimal digit. | \D | " ", "=", " ", "I", "V" in "4 = IV" |

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